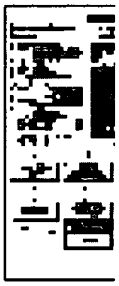
BR

Title: **JP06228186A2: 2'-DEOXY-@(3754/24)2'S)-ALKYLPYRIMIDINE NUCL DERIVATIVE**

Derwent Title: New 2'-deoxy-(2'S)-alkyl:pyrimidine nucleoside derivs. - are antiviral agents against e.g. herpes simplex. [Derwent Record]



Country: **JP** Japan
Kind: **A**

Inventor: **MATSUDA AKIRA**;
SHUTO SATOSHI;
BABA MASANORI;
SHIGETA SHIRO;
SASAKI TAKUMA;

Assignee: **YAMASA SHOYU CO LTD**
News, Profiles, Stocks and More about this company

Published / Filed: **1994-08-16** / 1993-01-29

Application Number: **JP1993000034495**

IPC Code: **C07H 19/06**; A61K 31/70;

Priority Number: 1993-01-29 **JP1993000034495**

Abstract: PURPOSE: To obtain the subject new derivative, composed of a 2'-deoxy-(2'S)- alkylpyrimidine nucleoside derivative, having excellent antiviral activity, good in absorbability, solubility and stability with hardly any side effects and useful as an antiviral agent, etc.

CONSTITUTION: The 2'-position of the saccharide part in a pyrimidine nucleoside derivative expressed by formula I (R1 is amino or OH; Z is protecting group) is alkylated with an alkylating agent (e.g. methylmagnesium bromide) to provide a compound expressed by formula II (R3 is lower alkyl). The hydroxyl group at the 2'-position of the saccharide part in the produced compound expressed by formula II is then acylated with an acylating agent (e.g. methyloxalyl chloride) and subsequently reduced with a reducing agent (e.g. tributyltin hydride) to afford a compound expressed by formula III. The basic part at the 5-position thereof is further halogenated with a halogenating agent (e.g. N-iodosuccinimide) and the protecting group of the saccharide part is then released. The 5'-position of the saccharide part, as necessary, is subsequently phosphorylated to afford the objective nucleoside derivative expressed by formula IV (R2 is halogen; R4 is H or phosphoric acid residue).

Family: None

Forward References: **Go to Result Set:** Forward references (2)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6914054	2005-07-05	Sommadossi; Jean-Pierre	Idenix Pharmaceuticals, Inc.	Methods and cc for treating hepa
	US5627053	1997-05-06	Usman; Nassim	Ribozyme Pharmaceuticals, Inc.	2'deoxy-2'-alkyl containing nucle

Other Abstract Info: CHEMABS 122(03)031836U CAN122(03)031836U DERABS C94-299800 DERC94-29 JAPABS 180601C000160 JAP180601C000160